EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

2. Authorization for this examiner's amendment was given in a telephone interview with Edward L. Pencoske on 10/28/2008.

3. Replace claims 8, 10, 11 and 13 with the following:

8. A computerized method, comprising:

creating a key comprised of the reverse bit order of a serially indexed count from 0 to 2^z;

creating a table of interleave patterns for all values of n lots of A tasks and (2^z - n) lots of B tasks based on said key, where n and z are positive integers and B equals A + 1;

storing said table;

automatically selecting an interleave pattern from said table based on one of the values n and (2^z - n);

generating an interleave pattern based on said selecting; and

distributing said n lots of A tasks and said (2^z - n) lots of B tasks to a plurality of processing elements according to said generated interleave pattern to balance the workload across said plurality of processing elements.

10. A computerized method, comprising:

selecting a value of 2^z which is greater than the value of n lots of A tasks plus y lots of B tasks, where n, y, and z are positive integers and B equals A plus 1, but less than twice that value;

creating a list in which the entries are comprised of the reverse bit order of a serially indexed count from 0 to 2^z;

selecting a centered portion of the list;

renumbering the selected portion of the list to form a key;

creating a table of interleave patterns for all values of n lots of A and y lots of B based on said key;

storing said table; and

distributing said n lots of A tasks and said y lots of B tasks to a plurality of processing elements according to said stored table to balance the workload across said plurality of processing elements.

11. A computerized method, comprising:

selecting a value of 2^z which is greater than the value of n lots of A tasks plus y lots of B tasks, where n, y, and z are positive integers and B equals A plus 1, but less than twice that value;

creating a list in which the entries are comprised of the reverse bit order of a serially indexed count from 0 to 2^z;

selecting a portion of the list by dropping entries alternately from each side of the list;

renumbering the selected portion of the list to form a key;

creating a table of interleave patterns for all values of n lots of A and y lots of B based on said key;

storing said table; and

distributing said n lots of A tasks and said y lots of B tasks to a plurality of processing elements according to said stored table to balance the workload across said plurality of processing elements.

13. A computerized method, comprising:

selecting a value of 2^z which is greater than the value of n lots of A tasks plus y lots of B tasks, where n, y, and z are positive integers and B equals A plus 1, but less than twice that value;

creating a list in which the entries are comprised of the reverse bit order of a serially indexed count from 0 to 2^z;

selecting a portion of the list;

creating a table of interleave patterns for all values of n lots of A and y lots of B based on said key;

storing said table;

automatically selecting an interleave pattern from said table based on one of the values n and y;

generating an interleave pattern based on said selecting; and

distributing said n lots of A tasks and said y lots of B tasks to a plurality of processing elements according to said generated interleaved pattern table to balance the workload across said plurality of processing elements.

Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to ABDULLAH AL KAWSAR whose telephone number is (571)270-3169. The examiner can normally be reached on 7:30am to 5:00pm, EST.

5. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Meng Ai T. An can be reached on 571-272-3756. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

6. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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